



The INGAA Foundation, Inc.

Request for Proposals for a study:

**THE ROLE OF "PIPELINE AGE" IN
PIPELINE SAFETY**

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1. Introduction

1.1. *Key sections of this RFP*

1. **What is requested?**

The INGAA Foundation Inc. is seeking a proposal from qualified consultants to perform an assessment on how pipeline age does or does not impact pipeline safety. We expect that the consultant will tap into past work by ASME, PHMSA, INGAA, PRCI and other key sources of technical literature on the subject to reflect and report on the influence of pipeline age on pipeline safety. The information should be presented in a white paper, and also in a condensed fashion that can be used to craft a public information brochure on pipeline safety.

2. **Who is asking?**

The INGAA Foundation, Inc. was formed in 1990 by the Interstate Natural Gas Association of America (INGAA) to advance the use of natural gas for the benefit of the environment and the consuming public. The Foundation works to facilitate the efficient construction and safe, reliable operation of the North American natural gas pipeline system, and promotes natural gas infrastructure development worldwide.

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3. **Why is this being done?**

As a result of recent pipeline failures, a renewed focus on the safety of the natural gas transmission infrastructure has taken center stage with the public, regulatory and legislative communities. There is public perception that "age" is a factor in some of the high profile incidents and that large portions of the infrastructure is in need of replacement. It is essential that the contribution of "age" to the threats and risks of the pipeline infrastructure be clearly understood by key stakeholders responsible for implementing pipeline safety regulations and permitting pipeline installations. These stakeholders include key public advocacy representatives and local, state and federal public officials.

4. **The terms?**

The Contractor will perform the research, analysis, consulting or other services necessary to complete this project for a total amount not to exceed a range of \$30,00 to \$40,000, which includes the Contractor's fee for

services and all direct costs incurred in fulfillment of the contract, including, but not limited to, travel, communications and photocopying.

5. Deadline?

Qualified contractors who are interested in responding must submit a proposal of no more than 8 pages (excluding resumes and references) by:
--- 5 pm PDT, February 6, 2012.

One electronic and two hard copies should be sent to the contact person.

1.2. Contractor Qualifications

The qualified contractor will have the proven expertise in the design and metallurgical properties of high pressure natural gas pipelines as well as the legal, regulatory, design, and operations of the interstate natural gas pipeline industry. The contractor must have the ability to develop a project schedule, meet deadlines, and provide regular project updates. The contractor must be able to deliver documents, both draft and final, that are well organized, professionally edited, and clearly written.

2. Background Information

Increasingly, the mere fact that many pipelines in the US were installed in the 1960's and 1970's and before, is referenced as cause for concern that they are unsafe. This concern is voiced sometimes without reference to the materials, the maintenance history of the system or the testing that has been applied to the pipeline itself. These are all critical factors that demand consideration.

2.1. Scope of Work

The scope of this project is to discuss the role of age and how it manifests itself with each threat to pipeline integrity. It will also discuss the role of fitness for service in managing the pipeline infrastructure. Notable industry and regulatory publications will be used to accomplish this task. Supporting data including pipeline mileage and age statistics relative to pipeline safety and pipeline failures, direct examination photos of pipelines of different age and technical analysis of the viability of maintained steel will be assembled and presented to support the assessment as to the contribution of Age.

The report will also discuss present pipeline safety regulations and their contribution to directly mitigating the threats and the contribution of age of the pipeline. The paper will present potential technical considerations that are being utilized by the industry to mitigate the threats to a pipeline due to age or other contributing factors. The expected result is that this report can be used as a basis to better communicate and achieve a common understanding amongst stakeholders relative to the contribution age has on the safety of the gas pipeline, the regulations that are currently in place to address time dependent risks, and

any considerations that should be addressed going forward in future testing and regulations.

The report will be prepared to be distributed to public officials, legislators and their staff, industry stakeholders, and regulators focused and involved in critically assessing new pipeline safety regulations, and inspection and regulation of existing pipelines and permitting of new pipelines.

Outreach: The report will be published for all key stakeholders to review and benefit.

2.2. Deliverables

The primary deliverable will be a written report and presentation; it must include an executive summary and must be conveyed to the project contact in the form of a clean, reproducible paper original, a Microsoft Office format version and a PDF version, unless specified differently in the final contact agreement.

Other deliverables include:

- A project schedule;
- A report outline;
- A draft report;
- An update presentation to the Foundation Spring mtg on April 12/13, 2012;
- A draft presentation in Microsoft PowerPoint;
- A final report and presentation
- A recommended path and tools for communicating the recommendations to the expected audiences. (i.e. talking points, charts, PowerPoint slides).

2.3. Term of Contract

The anticipated contract start date will be February 16, 2012 and completion by a date not to exceed 3 months from contract award. Any revisions in project scope, definition, cost, or schedule shall be made only by written mutual agreement by the authorized representatives of the parties whose signatures appear on the final contract agreement.

2.4. Payments, Incentives, and Penalties

The Contractor will perform the research, analysis, consulting or other services necessary to complete this project for a total amount not to exceed the contract amount which includes the Contractor's fee for services and all direct costs incurred in fulfillment of the contract, including, but not limited to, travel, communications and photocopying. Other terms will be detailed in the final contract agreement.

3. Contractual Terms and Conditions

Contract terms and conditions will be detailed in the final contract agreement.

3.1. Requirements for Proposal Preparation

The proposal, at a minimum, should include: a detailed statement of how the contractor proposes to meet the study objectives including the methodology and research and presentation, a budget that includes a breakdown of tasks and deliverables, a description of the firm's expertise in pipeline design and operation, and the background of the team that will work on the project.

3.2. Evaluation and Award Process

Proposals will be evaluated, at a minimum, on the following criteria:

- Extent and quality of the project description and overall approach, including the staff expertise/qualifications, staff knowledge, and resources or the ability to obtain them, to successfully achieve the goals of the proposed project.
- Extent and quality to which the proposal demonstrates knowledge regarding past and current design of pipeline and operation and testing.
- Applicant's ability to successfully complete and manage the proposed project.
- A review of the budget narratives to determine if costs are reasonable and commensurate with activities proposed.

4. Process Schedule

1-12-12 - RFP distributed to potential contractors

2-06-12 - Proposals due to study contact

2-14-12 - Contract award decision

2-16-12 - Contract start date

5-16-12 – Desired date of completion

4.1. Points of contact for all correspondence

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